

CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

1. A method of measuring resolution of an imaging system, said method comprising steps of

imaging target including a plurality of sub-fields having a progression of image feature size and pitch encompassing the resolution of said imaging system to produce a captured image,

inspecting said captured image for presence or absence of Moire' patterns in sub-fields of said captured image, and

determining resolution of said imaging system from feature size and pitch in sub-fields inspected in said inspecting step.

1 2. A method as recited in claim 1 wherein said
2 determining step determines resolution from a
3 subfield pattern having a minimum of Moire'
4 fringes.

1 3. A method as recited in claim 1 wherein said
2 determining step determines resolution from a
3 subfield imaged as a uniform gray subfield.

1 4. A method as recited in claim 1, including the
2 further step of
3 determining alignment of said imaging system
4 from Moire' fringe angle in sub-fields inspected
5 in said inspecting step.

1 5. A method as recited in claim 1 including the
2 further step of
3 printing said target on a printer connected
4 to a computer.

1 ~~6. A target for determining resolution of an~~
2 ~~imaging system by inspecting an image of said~~
3 ~~target for Moire' fringes, said target including~~
4 ~~a plurality of sub-fields, each subfield~~
5 ~~including a plurality of features, said plurality~~
6 ~~of subfields having a progression of image feature~~
7 ~~size and pitch encompassing the resolution of said~~
8 ~~imaging system, referred to an object plane of~~
9 ~~said imaging system.~~

1 7. A target as recited in claim 6, wherein said
2 features include lines and spaces.

1 8. A target as recited in claim 6, further
2 including indicia indicating a resolution
3 corresponding to feature size of features in a
4 subfield.

1 9. A target as recited in claim 6, further
2 including indicia indicating a resolution
3 corresponding to pitch of features in a subfield.

1 10. A target as recited in claim 8, wherein said
2 indicia is a human readable number.

1 11. A target as recited in claim 9, wherein said
2 indicia is a human readable number.

1 12. A target as recited in claim 6, including
2 reference numbers corresponding to resolution of
3 said imaging system and a further indicia.

005207 2255560